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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Stull, Edward L.; LANG, George; Confirmation No.: 4122
LENTZ, Robert J.
Serial No.: 09/976,813 Art Unit: 2142
Filed: October 12, 2001 Examiner: Reid, Cheryl M
For: SYSTEM AND METHOD FOR Attorney Docket No.: 10809-003-999-old
DATA QUALITY 006769-999002-
MANAGEMENT AND new
CONTROL OF
HETEROGENEOUS DATA
SOURCES

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 C.F.R. §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the application.

1. Enclosures accompanying this Information Disclosure Statement are:

- 1a. ☒ A list of all patents, publications, applications, or other information submitted for consideration by the office.
- 1b. A legible copy of :
- ☒ Each publication or that portion which caused it to be listed on the PTO-1449;
- ☐ For each cited pending U.S. application filed before June 30, 2003, the application specification including the claims, and any drawing of the application, or portion of the application which caused it to be listed on the PTO-1449 including any claims directed to that portion;
- ☒ all other information or portion which caused it to be listed on the PTO-1449.
- 1c. ☒ An English language copy of search report(s) from a counterpart foreign application or PCT International Search Report.
- 1d. ☐ Explanations of relevancy (ATTACHMENT 1(d), hereto) or English language abstracts of the non-English language publications.
- 1e. ☒ Pursuant to 37 C.F.R. § 1.98(a)(2)(ii), copies of the cited U.S. patents and U.S. patent application publications are not submitted herewith.

2. ☐ This Information Disclosure Statement is filed under 37 C.F.R. §1.97(b):

06/30/2005 GWORDOF1 00000023 503013 09976813

02 FC:1806

180.00 DA

NYJD: 1579307.1

- ☐ Within three months of the filing date of a national application other than a continued prosecution application under §1.53(d);
- ☐ Within three months of the date of entry of the national stage as set forth in §1.491 in an international application;
- ☐ Before the mailing of the first Office action on the merits;
- ☐ Before the mailing of a first Office action after the filing of a request for continued examination under §1.114.

3. ☒ This Information Disclosure Statement is filed under 37 C.F.R. §1.97(c) after the period specified in 37 C.F.R. §1.97(b), but before the mailing date of any of a final action under 37 C.F.R. §1.113, a notice of allowance under 37 C.F.R. §1.311 or an action that otherwise closes prosecution in the application.

(Check either Item 3a or 3b)

- 3a. ☐ The Certification Statement in Item 5 below is applicable. Accordingly, no fee is required.
- 3b. ☒ The \$180.00 fee set forth in 37 C.F.R. §1.17(p) in accordance with 37 C.F.R. §1.97(c) is:
- ☐ enclosed
 - ☒ to be charged to Jones Day Deposit Account No. 50-3013.

(Item 3b to be checked if any reference known for more than 3 months)

4. ☐ This Information Disclosure Statement is filed under 37 C.F.R. §1.97(d) after the period specified in 37 C.F.R. §1.97(c), but on or before the date of payment of the issue fee.

The Certification Statement in Item 5 below is applicable.

- The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:
- ☐ enclosed.
 - ☐ to be charged to Jones Day Deposit Account No. 50-3013

5. ☐ Certification Statement (applicable if Item 3a or Item 4 is checked)

(Check either Item 5a or 5b)

- 5a. ☐ In accordance with 37 C.F.R. §1.97(e)(1), it is certified that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
- 5b. ☐ Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not **received** by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- 5c. ☐ Pursuant to 37 C.F.R. §1.704(d), each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not **received** by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of this information disclosure statement.

6. ☐ This application is a continuation application under 37 C.F.R. §1.53(b) or (d).

(Check appropriate Items 6a, 6b and/or 6c)

- 6a. ☐ A Petition to Withdraw from issue under 37 C.F.R. §1.313(b)(5) is concurrently filed herewith.
- 6b. ☐ Copies of publications listed on Form PTO-1449 from prior application Serial No. _____, filed on _____, of which this application claims priority under 35 U.S.C. §120, are not being submitted pursuant to 37 C.F.R. §1.98(d).
- 6c. ☐ Copies of the publications listed on Form PTO-1449 were not previously cited in prior application Serial No. _____, filed on _____, and are provided herewith.
7. ☐ This is a Supplemental Information Disclosure Statement. (Check Item 7a)
- 7a. ☐ This Supplemental Information Disclosure Statement under 37 C.F.R. §1.97(f) supplements the Information Disclosure Statement filed on _____. A bona fide attempt was made to comply with 37 C.F.R. §1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental Information Disclosure Statement can be considered as if properly filed on _____.
8. ☐ In accordance with 37 C.F.R. §1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:

(Check Item 8a, 8b, or 8c)

- 8a. ☐ satisfied because all non-English language publications were cited on the enclosed English language copy of the PCT International Search Report or the search report from a counterpart foreign application indicating the degree of relevance found by the foreign office.
- 8b. ☐ set forth in the application.
- 8c. ☐ enclosed as an attachment hereto.
9. ☒ The Commissioner is authorized to charge any additional fee required or credit any overpayment for this Information Disclosure Statement and/or Petition to Jones Day Deposit Account No. 50-3013.
10. ☒ No admission is made that the information cited in this Statement is, or is considered to be, material to patentability and no representation is made that a search has been made (other than a search report of a foreign counterpart application or PCT International Search Report if submitted herewith). 37 C.F.R. §§1.97(g) and (h).

Respectfully submitted,

Date: June 27, 2005


Ognian V. Shentov

JONES DAY

222 East 41st Street

New York, New York 10017

(212) 326-3939

38,051

(Reg. No.)



LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10809-003-999

APPLICATION NO.

09/976,813

APPLICANT

STULL, Edward L., et al.

FILING DATE

October 12, 2001

GROUP

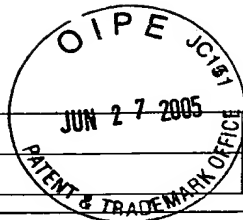
2142

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A01	US 6,259,679	07/10/2001	Henderson, et al.	370	254	09/27/1999
	A02	US 6,332,163	12/18/2001	Bowman-Amuah	709	231	09/01/1999
	A03	US 6,370,587	04/09/2002	Hasegawa, et al.	709	245	01/22/1999
	A04	US 6,122,664	09/19/2000	Boukobza, et al.	709	224	06/27/1997
	A05	US 6,058,103	05/02/2000	Henderson, et al.	370	254	03/06/1998
	A06	US 4,714,989	12/22/1987	Billings	364	200	10/20/1986
	A07	US 4,714,995	12/22/1987	Materna et al.	364	200	09/13/1985
	A08	US 4,769,772	09/06/1988	Dwyer	364	300	02/28/1985
	A09	US 4,881,166	11/14/1989	Thompson et al.	364	200	07/24/1987
	A10	US 5,046,002	09/03/1991	Takashi et al.	364	200	04/26/1990
	A11	US 5,058,000	10/15/1991	Cox et al.	364	200	06/15/1989
	A12	US 5,142,470	08/25/1992	Bristow et al.	364	184	09/26/1990
	A13	US 5,161,158	11/03/1992	Chakravarty et al.	371	15.1	10/16/1989
	A14	US 5,239,577	08/24/1993	Bates et al.	379	201	12/03/1990
	A15	US 5,274,664	09/21/1993	Thompson et al.	395	600	03/28/1991
	A16	US 5,257,366	10/26/1993	Adair et al.	395	600	03/27/1990
	A17	US 5,278,978	01/11/1994	Demers et al.	395	600	03/26/1990
	A18	US 5,301,302	04/05/1994	Blackard et al.	395	500	04/02/1991
	A19	US 5,345,587	09/06/1994	Fehskens et al.	395	650	09/07/1989
	A20	US 5,381,534	01/10/1995	Shi	395	200	02/10/1993
	A21	US 5,452,450	09/19/1995	Delory	395	600	12/21/1993
	A22	US 5,561,797	10/01/1996	Gilles et al.	395	600	04/18/1995
	A23	US 5,581,749	12/03/1996	Hossain et al.	395	600	12/21/1992
	A24	US 5,581,758	12/03/1996	Burnett et al.	395	614	06/06/1995
	A25	US 5,630,124	05/13/1997	Coyle, Jr. et al.	395	614	12/06/1993

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	B01							
	B02							
	B03							
	B04							
	B05							
	B06							
	B07							



	B08						
	B09						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	C01	International Search Report re International application No. PCT/US02/32044, dated 14 JAN 2003.
	C02	Written Opinion re International application No. PCT/US02/32044, dated 17 SEP 2003.
	C03	Arbee L.P. Chen, A localized Approach to Distributed Query Processing, Bell Communications Research, Piscataway, N.J., Mar 26, 1990, pp. 188-202.
	C04	M. Rusinkiewicz et al., "Query Transformation in Heterogeneous Distributed Database Systems," IEEE, pp. 300-307, 1985.
	C05	T. Yu Clement et al., "Query Processing in a Fragmented Relational Distributed System: Mermaid," IEEE Trans. on Software Engineering, vol. SE-11, No. 8, pp. 75-810, Aug. 1985.
	C06	M. Rusinlawicz et al., "An approach to Query Processing in Federated Database Systems," Proc. of the Twentieth Annual Hawaii Intl' Conf. on System Sciences, pp. 430-440, 1987.
	C07	S. Kang et al., "Global Query Management in Heterogeneous Distributed Database Systems," Microprocessing and Microprogramming, vol. 38, pp. 377-384, 1993.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.